

What is claimed is:

1. A system for providing communication services through a mobile telecommunications network, the system comprising:
- at least one mobile telephone in communication with the mobile telecommunications network;
 - a home base station having a mobile telephone interface unit for communication with mobile telephones and a mobile telephone registration unit, the home base station being capable of detecting the presence of the at least one mobile telephone in its coverage area and the mobile telephone registration unit being capable of storing information identifying the at least one mobile telephone; and
 - at least one telephone device in communication with the home base station.
2. A system in accordance with claim 1, wherein communication between the home base station and the at least one telephone device follows Bluetooth protocols.
3. A system in accordance with claim 1, wherein communication between the home base station and the at least one mobile telephone follows Bluetooth protocols.
4. A system in accordance with claim 1, wherein the home base station further comprises a corded telephone interface unit.
5. A system according to claim 4, wherein the home base station further comprises a cordless telephone interface unit.
6. A system according to claim 1, wherein the at least one mobile telephone further comprises
- a home base station interface unit.

7. A system in accordance with claim 1, wherein the at least one telephone device is capable of receiving the information identifying the at least one mobile telephone from the home base station and displaying the information to a user.

8. A method for providing telephone services in a mobile telecommunications network comprising a home base station, at least one mobile telephone, and at least one telephone device, the method comprising:

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registering the at least one mobile telephone with the home base station by storing information identifying the at least one mobile telephone;
detecting by the home base station the presence of the at least one mobile telephone;
establishing communication between the at least one telephone device and the home base station;
establishing communication between the at least one mobile telephone and the home base station; and
transmitting the information identifying the at least one mobile telephone to at least one telephone device.

9. A method according to claim 8 further comprising:
receiving identification information from the at least one mobile telephone;
comparing the identification information received with the information stored; and
if the identification information received matches the information stored, sending a request to establish communication with the at least one mobile telephone.

10. A method according to claim 8 further comprising displaying on the home base station the identification information of the at least one mobile telephone.

11. A method according to claim 8 further comprising:

detecting the at least one telephone device being off hook;

receiving a dialed telephone number; and

sending the dialed telephone number to the at least one mobile telephone.

12. A method according to claim 8 further comprising:

receiving a signal from the at least one mobile telephone, the signal indicating an incoming call;

ringing the at least one telephone device connected to the home base station;

detecting the at least one telephone device answering the incoming call; and

sending a message to the at least one mobile telephone, the message indicating that the at least one telephone device answered the incoming call.

13. A method according to claim 12 further comprising

determining if at least one telephone device is available for answering the incoming call.

14. A method according to claim 8, wherein the communication between the at least one mobile telephone and the home base station follows Bluetooth protocols.

15. A method according to claim 8, wherein the at least one telephone device is a cordless telephone device.

16. A method according to claim 15, wherein the communication between the home base station and the cordless telephone device follows Bluetooth protocols.

17. A method according to claim 8 further comprising:

providing dial tones to the at least one telephone device; and

receiving a dialed telephone number from the at least one telephone device.

18. A method according to claim 8 further comprising:

detecting by the home base station the strength of radio signals from the at least one mobile telephone is fading; and

if a call is established, terminating the call.

19. A method according to claim 8, wherein the at least one telephone device is a corded telephone device.

20. A method for providing telephone services in a mobile telecommunications network comprising a home base station, at least one mobile telephone, and at least one telephone device, the method comprising:

registering the home base station with the at least one mobile telephone by storing identification information for the home base station;

transmitting radio signals from at least one mobile telephone to the home base station, wherein the radio signals include identification information for the at least one mobile telephone;

receiving a connection request from the home base station, wherein the connection request contains the identification information for the home base station; and

establishing communication between the at least one mobile telephone and the home base station if the identification information received matches the identification information stored.

21. A method according to claim 20 further comprising:

receiving an incoming call by the at least one mobile telephone; and

sending a signal to the home base station, wherein the signal indicates the incoming call.

22. A method according to claim 20 further comprising:

receiving by the at least one mobile telephone a destination telephone number from the home base station; and

sending by the at least one mobile telephone the destination telephone number to the mobile telecommunications network.

23. A method according to claim 21 further comprising:

receiving a message from the home base station, wherein the message indicates at least one telephone device in communication with the home base station is ready to answer the incoming call; and

answering the incoming call.

24. An apparatus for providing telephone services to a plurality of telephone devices, the apparatus comprising:

a mobile telephone interface unit for controlling interface with mobile telephones, the mobile telephone interface unit interfacing with the mobile telephones through radio signals;

a transceiver connected to the mobile telephone interface unit;

a local telephone interface unit for interfacing with corded and cordless telephone devices; and

a controller for controlling interactions among the mobile telephone interface unit, the local telephone interface unit, the mobile telephone registration unit, and the privacy unit.

25. An apparatus according to claim 24 further comprising a mobile telephone registration unit for registering mobile telephones with the apparatus.

26. An apparatus according to claim 24 further comprising:

a corded telephone interface unit; and

a cordless telephone interface unit.

27. An apparatus according to claim 24 further comprising a privacy unit for providing privacy to a user in communication with a remote party.

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28. An apparatus according to claim 27, wherein the privacy unit is capable of interpreting a privacy request message.
determining an originating device for the privacy request message, and
disabling audio connections to other devices.
29. An apparatus according to claim 24 further comprising at least one docking station.
30. An apparatus according to claim 29, wherein the at least one docking station being connected to the apparatus through a cable.
31. An apparatus according to claim 29, wherein the at least one docking station further comprises a battery charger.
32. An apparatus according to claim 24 further comprising a mobile telephone selector, wherein the mobile telephone selector determines which mobile telephone the mobile telephone interface unit interfaces with.
33. An apparatus according to claim 32, wherein the mobile telephone selector being a selection screen displayed on a user interface screen on the apparatus.
34. An apparatus according to claim 32, wherein the mobile telephone selector being a plurality of buttons on the apparatus, wherein each button is associated with one mobile telephone in communication with the apparatus.
35. An apparatus according to claim 24, wherein the controller being capable of directing the mobile telephone interface unit to communicate with a specific mobile telephone according to a selection logic.
36. An apparatus according to claim 35, wherein the selection logic is based on radio signal strength.

37. An apparatus according to claim 35, wherein the selection logic is based on history of connection quality.
38. An apparatus according to claim 35, wherein the selection logic is based on mobility history.
39. An apparatus according to claim 24 further comprising a registration button, wherein the registration button being functionally connected to the controller.
40. An apparatus according to claim 39, wherein the registration button being a display on a user interface screen on the apparatus.
41. A method for providing privacy to a user during a telephone call, wherein the user uses a home base station to communicate with a third party, the method comprising:
- receiving a privacy request from an originating device;
 - if the originating device is a mobile telephone, disabling telephone devices connected to the home base station; and
 - if the originating device is one of the telephone devices connected to the home base station,
 - disabling other telephone devices, and
 - sending a privacy request to the mobile telephone.
42. A method according to claim 41 further comprising:
- determining the originating device.
43. A method according to claim 41, wherein disabling telephone devices further comprises:
- disabling audio connections to the telephone devices.
44. A method according to claim 41 further comprising:
- enabling telephone devices when the telephone call ends.

45. An apparatus for providing telecommunications services to a user, the apparatus being capable of communicating with a wireless network and with a home base station, the apparatus comprising:

- a controller unit;
- a transceiver unit for communicating with the wireless network;
- a home base station interface unit for communicating with the home base station;
- a display unit for displaying information on a display screen;
- a keypad unit for interfacing with a keypad;
- an audio input unit; and
- an audio output unit.

46. An apparatus according to claim 45, wherein the audio output unit interfaces with an earpiece speaker.

47. An apparatus according to claim 45, wherein the home base station interface unit is capable of transmitting and receiving radio signals.

48. An apparatus according to claim 45, wherein the radio signals are transmitted according to Bluetooth protocols.